IN THE CLAIMS

1. (currently amended) In an a~~A~~nalyzer of anisotropy and entropy of an organized chemical system, the ~~analyzer~~improvements comprising:

a transceiver (21, 22, 27) for radiating a coherent electromagnetic field beacon ~~that~~ ~~provides~~and providing therefrom radio frequencies including a fundamental spectral line of 450 - 480 MHz and simultaneously ~~a~~ spectral lines of at least harmonics about 900 and 1350 MHz thereof containing information concerning interaction between the coherent electromagnetic field beacon and an organized chemical system; and

a spectrum analyzer of the spectral lines for analysis from variation of the spectral lines .

2. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that it further comprises demodulation means coupled to said coherent transceiver (21, 22, 27) for demodulating the radio frequencies.

3. (previously presented) Analyzer of anisotropy end entropy of organized chemical systems according to claim 1, characterized in that the coherent electromagnetic field beacon is within bands of biological absorption.

4. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

5. (original) Analyzer of anisotropy and entropy of organized chemical systems according to claim 4, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

6. (currently amended) In a m~~M~~ethod ~~for~~ analyzing animal tissue~~anisotropy and entropy of organized chemical systems~~, ~~characterized in that~~ the ~~method~~improvements comprise~~s~~ing the steps of

radiating coherent electromagnetic frequencies into interaction with the animal tissue~~an organized chemical system~~ so as to provide from the interaction a continuum of radio frequencies including a fundamental spectral line of 450 - 480 MHz and simultaneously ~~a~~ spectral line~~s~~ of at least ~~one~~ harmonic~~s~~ thereof about 900 and 1350 MHz, and

analyzing ~~a~~the continuum of the radio frequencies from variation of the spectral lines.

7. (previously presented) Analyzer of anisotropy end entropy of organized chemical systems according to claim 2, characterized in that the coherent electromagnetic field beacon is within bands of biological absorption.

8. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 2, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

9. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 8, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

10. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 11, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

11. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 3, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

12. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 7, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

13. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 12, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

14. (currently amended) In an animal-tissue analyzer of animal tissues, the improvements comprising:

a transceiver (21, 22, 27) for radiating into the ~~organized chemical system~~animal tissues a coherent electromagnetic field beacon ~~that provides~~and providing therefrom ~~the animal tissues~~ radio frequencies including a fundamental spectral line of about 450 - 480 MHz and simultaneously a spectral line of at least one harmonic thereof of about 900 MHz for providing a continuum of information concerning interaction between the coherent electromagnetic field beacon and animal tissues; and

a spectrum analyzer of the continuum of information for analysis from amplitude variation of the spectral lines of the animal tissues.

15. (canceled)

16. (canceled)

17. (previously presented) The analyzer according to claim 14, wherein the at least one harmonic is at least two harmonics.

18. (previously presented) The analyzer according to claim 14, wherein the at least one harmonic is at least three harmonics.

19. (canceled) The analyzer according to claim 17, wherein the harmonics are at MHz frequencies.

20. (canceled)

21. (currently amended) The analyzer according to claim ~~20~~14, wherein ~~the~~ ~~fundamental frequency spectral line is in a range between 450 and 480 MHz and the~~further spectral lines of ~~the~~ harmonics are in ranges ~~above 900,~~about 1350~~,~~ and 1800 MHz, respectively.

22. (new) In an analyzer of anisotropy and entropy of an organized chemical system, the improvements comprising:

a transceiver (21, 22, 27) for radiating a coherent continuous wave electromagnetic field beacon that provides radio frequencies including a fundamental spectral line in a band between 450 - 480 MHz, and simultaneously two further spectral lines of at least two higher harmonics thereof in bands about 900 and 1350 MHz, respectively, and containing information concerning interaction between the coherent continuous wave electromagnetic field beacon and the organized chemical system; and

a spectrum analyzer of the spectral lines for analysis of biological adsorption and/or frequency shift of the spectral lines caused by the interaction with the organized chemical system.

23. (new) The analyzer of anisotropy and entropy of an organized chemical system according to claim 22, wherein the harmonics further comprise about 1800 MHz.